

AMENDMENTS TO THE CLAIMS

Please cancel claim 5, 10, and 11

Please add new claims 25-34

Please amend the claims as follows:

1. (Currently Amended) A catalyst composition comprising: a substrate and ultrafine particles disposed on the substrate, wherein the substrate has an average diameter ranging from 0.05 mm to 2 mm.
2. (Currently Amended) The catalyst composition of claim 1 wherein the substrate comprises a metal oxide; a ceramic; a metal; an alloy; ~~a zeolite~~; a polymer; a carbon-containing material or mixtures thereof.
3. (Currently Amended) The catalyst composition of claim 1 wherein the ultrafine particles comprise gold, copper, silver, platinum, palladium, rhodium, nickel, ~~and~~ other transition metals; iron; alloys of noble metals; metal oxides; ~~and~~ or mixtures thereof.
4. (Currently Amended) A smoking article, comprising:
a rod of aerosol generating material
a filter element coupled to a first end of the rod, the filter element comprising a catalyst composition chamber; and
at least one catalyst composition disposed in the catalyst composition chamber, the at least one catalyst composition comprising ultrafine particles ~~the at least one catalyst composition~~
being operative to convert carbon monoxide to carbon dioxide at temperatures below 150 C.
5. (Canceled)
6. (Currently Amended) The smoking article of claim ~~5~~ 4 wherein the filter element further comprises carbon.

7. (Original) The smoking article of claim 6 wherein the filter element further comprises an adsorbent.
8. (Currently Amended) The smoking article of claim 4 wherein the catalyst composition is additionally disposed ~~located~~ within the rod of aerosol generating material.
9. (Original) The smoking article of claim 4 further comprising a heat source.
10. (Canceled)
11. (Canceled)
12. (Original) The smoking article of claim 4, wherein the catalyst composition comprises a plurality of ultrafine particles positioned on at least one substrate.
13. (Original) The smoking article of claim 12, wherein the at least one substrate comprises at least one of cerium oxide (CeO_2), titanium dioxide (TiO_2), alumina (Al_2O_3), or mixtures thereof.
14. (Original) The smoking article of claim 13, wherein the at least one substrate comprises alumina (Al_2O_3).
15. (Original) The smoking article of claim 13 wherein the ultrafine particles comprise a noble metal.
16. (Original) The smoking article of claim 15, wherein the noble metal has an average particle size up to about 100 nanometers.
17. (Original) The smoking article of claim 16, wherein the noble metal has an average particle size up to about 10 nanometers.

18. (Original) The smoking article of claim 17, wherein the noble metal has an average particle size between about 2 and about 4 nanometers.
19. (Withdrawn) A method for facilitating the conversion of carbon monoxide to carbon dioxide in a smoking article, comprising incorporating at least one catalyst composition in a filter element of the smoking article, the at least one catalyst composition comprising:
at least one substrate; and
a plurality of ultrafine particles positioned on the at least one substrate.
20. (Withdrawn) The method of claim 19, wherein the at least one substrate comprises at least one of cerium oxide (CeO_2), titanium dioxide (TiO_2), alumina (Al_2O_3), or mixtures thereof.
21. (Withdrawn) The method of claim 19, wherein the at least one substrate comprises alumina (Al_2O_3).
22. (Withdrawn) The method of claim 21, wherein the ultrafine particles comprise gold.
23. (Original) An article of manufacture comprising a catalyst composition of claim 1.
24. (Original) A filter element comprising a catalyst composition of claim 1.
25. (New) The smoking article of claim 12, wherein the substrate has an average diameter ranging from about 0.05 mm to about 2 mm.
26. (New) The smoking article of claim 12, wherein the substrate has an average diameter ranging from about 0.3 mm to about 1.7 mm.
27. (New) The smoking article of claim 4, wherein the catalyst composition chamber further comprises particulate carbon.

28. (New) The smoking article of claim 27, wherein the particulate carbon is present in an amount ranging from 1 weight percent to 80 weight percent.
29. (New) A smoking article comprising:
a rod comprising tobacco;
a filter element coupled to a first end of the rod, the filter element comprising filter material and upstream chamber and a downstream chamber; and
at least one catalyst composition disposed in the downstream chamber, the catalyst comprising ultrafine particles.
30. (New) The smoking article of claim 29, wherein the upstream chamber comprises particulate carbon.
31. (New) The smoking article of claim 29, wherein the ultrafine particles comprise gold, copper, silver, platinum, palladium, rhodium, nickel, iron, alloys of noble metals, metal oxides, or mixtures thereof.
32. (New) The smoking article of claim 29, wherein the ultrafine particles have a size of 100 nm or less.
33. (New) A smoking articles comprising:
a rod comprising tobacco;
a filter element coupled to a first end of the rod, the filter element comprising filter material and upstream chamber and a downstream chamber; and
at least one catalyst composition disposed in the upstream chamber, the catalyst comprising ultrafine particles.
34. (New) The smoking article of claim 33, wherein the downstream chamber further comprises particulate carbon.